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Producing polyalkylene ether glycol for urethane elastic and thermoplastic elastic materials by ring opening of cyclic ether using as activator carboxylic anhydride with ketene dimer content below 50 ppm

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Number of Countries: 026 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1020484	A2	20000719	EP 2000100191	A	20000113	200045 B
JP 2000204152	A	20000725	JP 997244	A	19990114	200048

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Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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Abstract (Basic): EP 1020484 A2

Abstract (Basic):

NOVELTY - Producing a poly(alkylene ether) glycol comprises copolymerizing a cyclic ether in the presence of a catalyst and a carboxylic acid anhydride which has a ketene dimer content 50 ppm or lower.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for a poly(alkylene ether) glycol produced by the process with a hue below 20 APHA units, a process of producing a polyurethane by reacting the glycol with an organic polyisocyanate and an elastic fiber comprising the polyurethane.

USE - The poly(alkylene ether) glycol is used as a raw material for urethane elastic and thermoplastic elastic materials.

ADVANTAGE - The poly(alkylene ether) glycol is less colored.
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